Attorney Docket No. OOMP0001C   U.S. Serial No. 09/735,586

LISTING OF CLAIMS

1.   (Currently Amended) A method of analyzing an image including text, the method comprising:

mapping an image to determine regions of text;

analyzing portions of the image in accordance with characteristics of selected regions of the text to develop a desired ordering of at least the selected regions in accordance with a textual relationship between the selected regions.

2.   (Currently Amended) The method~~invention~~ of claim 1 wherein the image includes a complex textual format having one or more articles of text, such as found in a newspaper or magazine page, and the desired ordering is related to the order in which the selected regions are to be presented in a different format appropriate for a specific use.

3.   (Currently Amended) The method~~invention~~ of claims 1 or 2 wherein the desired ordering of the regions includes a preferred order of words in said selected regions.

4.   (Currently Amended) The method ~~invention~~ of claims 1 or 2 wherein the desired ordering of the regions is appropriate for use by a human reader.

5.   (Currently Amended) The method ~~invention~~ of claims 1 or 2 wherein the desired ordering of the regions is appropriate for use in transferring the text over a network.

6.   (Currently Amended) The method ~~invention~~ of claims 1 or 2 wherein the desired ordering of the regions is appropriate for use in a database.

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7.   (Currently Amended) The method~~invention~~ of claims 1 or 2 wherein the desired ordering of the regions is appropriate for use by a search function.

8.   (Currently Amended) The method~~invention~~ of claims 1 or 2 wherein the desired ordering of the regions is appropriate for use by a word processor.

9.   (Currently Amended) The method~~invention~~ of claims 1 or 2 wherein the desired ordering of the regions is appropriate for use by a printer.

10.   (Currently Amended) The method~~invention~~ of claims 1 or 2 wherein the analyzing further comprises:

developing a frameset of frame and sub-frame areas of the image each including related regions of text.

11.   (Currently Amended) The method~~invention~~ of claims 1 or 2 wherein the analyzing further comprises:

identifying groups of regions of text related to textual articles and sub-articles.

12.   (Currently Amended) The method~~invention~~ of claims 1 or 2 wherein the analyzing further comprises:

ordering regions within a textual article.

13.   (Currently Amended) The method~~invention~~ of claims 1 or 2 wherein the analyzing further comprises:

identifying groups of regions of text related to textual articles; and
ordering regions within textual articles.

14.   (Currently Amended) The method~~invention~~ of claims 1 or 2 wherein the analyzing further comprises:

normalizing the textual image.

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15.   (Currently Amended) The method~~invention~~ of claims 1 or 2 wherein the analyzing further comprises:

columnizing the textual image.

16.   (Currently Amended) The method~~invention~~ of claims 1 or 2 wherein the analyzing further comprises:

regionalizing the textual image.

17.   (Currently Amended) A system for analyzing an image including text, comprising:

means for mapping an image to determine regions of text by extracting quads from said image and assigning said quads to said regions;

wherein each said quad comprises a bounding rectangle of an individual word in said image;

means for analyzing portions of the image in accordance with characteristics of selected regions of the text to develop a desired ordering of the selected regions in accordance with a textual relationship between the selected regions.

18.   (Currently Amended) The ~~invention~~ system of claim 17 wherein the image includes a complex textual format having one or more articles of text, such as found in a newspaper or magazine page, and the desired ordering is related to the order in which the selected regions are to be presented in a different format appropriate for a specific use.

19.   (Currently Amended) The system~~invention~~ of claims 18 or 19 wherein the desired ordering of the regions includes a preferred order of words in said selected regions.

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20.. (Currently Amended) The system~~invention~~ of claims 18 or 19 wherein the desired ordering of the regions is appropriate for use by a human reader.

21. (Currently Amended) The system~~invention~~ of claims 18 or 19 wherein the desired ordering of the regions is appropriate for use in transferring the text over a network.

22. (Currently Amended) The system~~invention~~ of claims 18 or 19 wherein the desired ordering of the regions is appropriate for use in a database.

23. (Currently Amended) The system~~invention~~ of claims 18 or 19 wherein the desired ordering of the regions is appropriate for use by a search function.

24. (Currently Amended) The system~~invention~~ of claims 18 or 19 wherein the desired ordering of the regions is appropriate for use by a word processor.

25. (Currently Amended) The system~~invention~~ of claims 18 or 19 wherein the desired ordering of the regions is appropriate for use by a printer.

26. (Currently Amended) The system~~invention~~ of claims 18 or 19 wherein the means for analyzing further comprises:

means for developing a frameset of frame and sub-frame areas of the image each including related regions of text.

27. (Currently Amended) The system~~invention~~ of claims 18 or 19 wherein the means for analyzing further comprises:

means for identifying groups of regions of text related to textual articles and sub-articles.

28. (Currently Amended) The system~~invention~~ of claims 18 or 19 wherein the means for analyzing further comprises:

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means for ordering regions within a textual article.

29.   (Currently Amended) The system~~invention~~ of claims 18 or 19 wherein the means for analyzing further comprises:

means for identifying groups of regions of text related to textual articles; and

means for ordering regions within textual articles.

30.   (Currently Amended) The system ~~invention~~ of claims 18 or 19 wherein the means for analyzing further comprises:

means for normalizing the textual image.

31.   (Currently Amended) The system~~invention~~ of claims 18 or 19 wherein the means for analyzing further comprises:

means for columnizing the textual image.

32.   (Currently Amended) The system~~invention~~ of claims 18 or 19 wherein the means for analyzing further comprises:

means for regionalizing the textual image.

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